2020-21

# *PROJECT MANAGEMENT CONSULTANCY REPORT*

**Name of the Client**: Executive Engineer, Dasarahalli Division, BBMP, Bangalore.

**Agency**: Sri. Nagasandra Shamanna Ramarao ( Rajalakshmi Rock Drillers), Contractor, Bangalore.

**Name of the Work**: Drilling of bore well and Installation of pumps and motors and other accessories PVC pipe line in ward no.12 Shettyhalli, Shettyhalli sub-Division, BBMP, Bangalore.


## M/s. CIVIL QUALITY CONSULTANTS& ENGINEERS

(Buildings Geo-Tech & Road Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited as per ISO-17025: 2005 Laboratory

#133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore-560056
E-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 Mob: 9886998316


Scanned with CamScanner

Name of Work :Drilling of bore well and Installation of pumps and motors and other accessories PVC pipe line in ward no.12 Shettyhalli, Shettyhalli sub-Division, BBMP, Bangalore.

| | | |
|---|---|---|
| Name of Client | : | Executive Engineer, Dasarahalli Division, BBMP, Bangalore. |
| Contractor/Agency | : | Sri. Nagasandra Shamanna Ramarao ( Rajalakshmi Rock Drillers), Contractor, Bangalore. |
| Total Cost | : | Rs. 97.35 Lakhs |
| Date of Inspection | : | 12.10.2020 |
| Status of Bill | : | First and Final Bill |
| In the Presence of | : | (a) Executive Engineer (W. No.12), BBMP, Bangalore. |
| | : | (b) Mr. Mohan G, Engineer M/S Civil Quality Consultants and Engineers, Bangalore |

| Sl.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 1 | Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical | : | Work done up to the billed quantity and Quality is satisfactory |
| 2 | Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap | : | Work done up to the billed quantity and Quality is satisfactory |
| 3 | Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap | : | Work done up to the billed quantity and Quality is satisfactory |
| 4 | Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap | : | Work done up to the billed quantity and Quality is satisfactory |

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ಬೆಂಗಳೂರು



Scanned with CamScanner

| Sl.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 5 | Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap | : | Work done up to the billed quantity and Quality is satisfactory |
| 6 | Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap | : | Work done up to the billed quantity and Quality is satisfactory |
| 7 | Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap | : | Work done up to the billed quantity and Quality is satisfactory |
| 8 | Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap | : | Work done up to the billed quantity and Quality is satisfactory |
| 9 | Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap | : | Work done up to the billed quantity and Quality is satisfactory |
| 10 | Providing and Fixing 250mm dia PVC pipeetc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | : | Work done up to the billed quantity and Quality is satisfactory |
| 11 | Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth | | Work done up to the billed quantity and Quality is satisfactory |
| 12 | Providing 175 mm dia MS Collar etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | : | Work done up to the billed quantity and Quality is satisfactory |
| 13 | Providing 175 mm dia MS Cap etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | : | Work done up to the billed quantity and Quality is satisfactory |
| 14 | Providing Supplying to work site and fixing submersible pump sets of 150mm dia suitable for borewell and confirming to IS 8034:3phase SS Bowl & Impeller with Low Volt motor as per | : | Work done up to the billed quantity and Quality is satisfactory |



Scanned with CamScanner

| Sl.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 15 | Supplying, laying, jointing testing and commissioning of GI pipes confirming to IS 1239:1990 with latest amendments, including fising collars, Elbows, Tees, bends, Glad Cocks and | : | Work done up to the billed quantity and Quality is satisfactory |
| 16 | Suppy and fixing 50mm dia GI collar Heavy duty etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | : | Work done up to the billed quantity and Quality is satisfactory |
| 17 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130- | : | Work done up to the billed quantity and Quality is satisfactory |
| 18 | Supply and fixing 50mm dia GI Union with ISI mark etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | : | Work done up to the billed quantity and Quality is satisfactory |
| 19 | Supply and fixing 50mm dia GI Union with ISI mark etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | | Work done up to the billed quantity and Quality is satisfactory |
| 20 | Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 With ISI Mark and as per its latest amendments 50mm Dia etc., complete as per specifications and as per the | : | Work done up to the billed quantity and Quality is satisfactory |
| 21 | Supplying and fixing 50mm dia GI Elbow with ISI mark etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | : | Work done up to the billed quantity and Quality is satisfactory |
| 22 | Supplying and delivery at site brand new star/Essen/Lotus/Sun-Shines/Adarsh/ G.K.Controls Best Indigenous make combined energy meter-cum-control panel board unit | : | Work done up to the billed quantity and Quality is satisfactory |
| 23 | Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore | : | Work done up to the billed quantity and Quality is satisfactory |

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬೆಬಳ್ಳಿ ಉಪವಿಭಾಗ, ಬಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಸ್.ಕಾನ್ಸಲ್ಟೆಂಟ್ಸ್ ಇಂಜಿನಿಯರ್ಸ್, ಬೆಂಗಳೂರು



Scanned with CamScanner

| Sl.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 24 | Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation | : | Work done up to the billed quantity and Quality is satisfactory |
| 25 | Supplying of TPST with rewirable porcelain channels in SM enclosure 32 amps | : | Work done up to the billed quantity and Quality is satisfactory |
| 26 | Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs | : | Work done up to the billed quantity and Quality is satisfactory |
| 27 | Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440v A.C. 50 Hz 12/24v D.C. | : | Work done up to the billed quantity and Quality is satisfactory |
| 28 | Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 volts grade, for power factor improvement of rotating machineries like | : | Work done up to the billed quantity and Quality is satisfactory |
| 29 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit | : | Work done up to the billed quantity and Quality is satisfactory |
| 30 | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit | : | Work done up to the billed quantity and Quality is satisfactory |
| 31 | Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm | : | Work done up to the billed quantity and Quality is satisfactory |
| 32 | Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip | : | Work done up to the billed quantity and Quality is satisfactory |
| 33 | Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) cutting road surface in hard soil | : | Work done up to the billed quantity and Quality is satisfactory |

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಚಿಕ್ಕಬಳ್ಳಾಪುರ ಉಪವಿಭಾಗ, ಬಾಗೇಪಲ್ಲಿ ವಲಯ
ಚಿಕ್ಕಬಳ್ಳಾಪುರ ಜಿಲ್ಲೆ ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು ಪೂರ್ವ ವಿಭಾಗ, ಬೆಂಗಳೂರು



Scanned with CamScanner

| Sl.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 34 | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.6 sqmm to 16 sqmm. | : | Work done up to the billed quantity and Quality is satisfactory |
| 35 | Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc | : | Work done up to the billed quantity and Quality is satisfactory |
| 36 | Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers | : | Work done up to the billed quantity and Quality is satisfactory |
| 37 | Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification.(RDWS SR 2019-20Pg | : | Work done up to the billed quantity and Quality is satisfactory |
| 38 | Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification.(RDWS SR 2019-20Pg | : | Work done up to the billed quantity and Quality is satisfactory |
| 39 | Earthwork excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs and depth up to 2.00 mtrs. Including shoring and strutting, danger lighting and using sight rails | : | Work done up to the billed quantity and Quality is satisfactory |
| 40 | Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak | : | Work done up to the billed quantity and Quality is satisfactory |
| 41 | Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering, Consolidation in layers of 15 cm thick including disposing of the surplus earth | : | Work done up to the billed quantity and Quality is satisfactory |
| 42 | Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments 50mm dia | : | Work done up to the billed quantity and Quality is satisfactory |

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory



Scanned with CamScanner